

AMENDMENTS TO THE CLAIMS

Claim 1 (Previously Presented): A control unit for a vehicle having a self-diagnosis function for self-diagnosing a verification of a reception of a signal concerning a switch based on various vehicle information data, comprising:

connecting means for connecting a function checker, said function checker outputting a predetermined control signal into said control unit when said function checker receives a predetermined signal from the various vehicle information data,

wherein said predetermined control signal causes said control unit to activate said self-diagnosis function to establish a self-diagnosis mode.

Claim 2 (Original): The control unit according to claim 1, wherein:

said control unit outputs a diagnosed result of the self-diagnosis mode as the vehicle information data to the function checker.

Claim 3 (Canceled)

Claim 4 (Original): The control unit according to claim 2, wherein:

the function checker displays a diagnosed result of the self-diagnosis mode based on the received vehicle information data.

Claim 5 (Original): The control unit according to claim 1, wherein:

said control unit outputs a diagnosed result of the self-diagnosis mode as an actuating control signal for controlling at least either one of a room lamp or an indicator lamp.

Claim 6 (Original): The control unit according to claim 2, wherein:

said control unit outputs a diagnosed result of the self-diagnosis mode as an actuating control signal for controlling at least either one of a room lamp or an indicator lamp.

Claim 7 (Previously Presented): A control system of a vehicle for self-diagnosing a verification of a reception of signals from a plurality of switches, comprising:

 a control unit provided with a self-diagnosis function for verifying the reception of the signals from said switches;

 a function checker connected with said control unit;

 a first communication line connecting said control unit with a first switch to transmit a first signal issued from the first switch to said control unit;

 a second communication line connecting said control unit with a second switch to transmit a second signal issued from the second switch to said control unit;

 a third communication line for said function checker to catch the first signal from said first communication line; and

 a fourth communication line for transmitting a pseudo signal of the second signal from said function checker to said control unit through said second communication line when said function checker receives the first signal,

 wherein said control unit activates the self-diagnosis function to establish a self-diagnosis mode when receiving the pseudo signal of the second signal, so that the reception of signals from the plurality of switches can be verified.

Claim 8 (Original): The control system according to claim 7, wherein:

 said control unit outputs a diagnosed result of the self-diagnosis mode as an actuating control signal for controlling at least either one of a room lamp or an indicator lamp.

Claim 9 (Previously Presented): The control system according to claim 7, wherein said first switch is the ignition switch.

Claim 10 (Previously Presented): The control system according to claim 7, wherein:

 said second switch is a door switch which needs no verification of a reception of a signal thereof.